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(FILE 'HOME' ENTERED AT 13:46:31 ON 05 MAR 2010)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH, LIFESCI' ENTERED AT 13:47:00 ON 05 MAR 2010

L1 809 S COMPARISON(6A)(T(W)CELL(W)RECEPTOR OR TCR)
L2 37 S REVIEW AND L1
L3 28 DUP REM L2 (9 DUPLICATES REMOVED)
L4 5538 S CONSTANT(3A)DOMAIN
L5 6 S L1 AND L4
L6 16574 S (T(W)CELL(W)RECEPTOR OR TCR)(6A)(ALPHA OR BETA)(3A)CHAIN
L7 111 S L4(P)L6
L8 3 S REVIEW AND L7
L9 39 DUP REM L7 (72 DUPLICATES REMOVED)
L10 2 DUP REM L8 (1 DUPLICATE REMOVED)

=> d bib ab 1-2 l10

L10 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 1
AN 1993:536960 CAPLUS
DN 119:136960
OREF 119:24533a,24536a
TI Shared antigenic determinants of immunoglobulins in phylogeny and in
comparison with T-cell receptors
AU Marchalonis, John J.; Hohman, Valerie; Kaymaz, Hulya; Schluter, Samuel F.
CS Dep. Microbiol. Immunol., Univ. Arizona, Tucson, AZ, 85724, USA
SO Comparative Biochemistry and Physiology, Part B: Biochemistry & Molecular
Biology (1993), 105B(3-4), 423-41
CODEN: CBPBB8; ISSN: 0305-0491
DT Journal; General Review
LA English
AB A review with .apprx.110 refs. Igs are a complex multigene
family of proteins specified by genes encoding variable (V), sometimes
diversity (D), joining (J), and const. (C) domains.
Cross-reactions involving conformational determinants related to the Vha
system of rabbits occur on heavy chains of vertebrate species ranging from
elasmobranchs to man. Serol. markers characteristic of μ chains, the
heavy chain of the IgM macroglobulins, occur on homologous heavy chains of
species representing all vertebrate classes. Serol. markers
characteristic of γ type heavy chains, the major isotype in man, are
restricted to the mammals, but are found on representatives of even the
most primitive mammals, the egg-laying monotremes. Variable region
markers characteristic of γ light chains are shared by light chains
of shark and man. Certain idiotypic markers defined by combining site V
region sequences are broadly distributed in evolution. Use of synthetic
peptides as antigens and in epitope mapping show that amino acid sequences
from the third framework region of the variable domain are broadly shared
among light chains in phylogeny and between light chains and
T-cell receptor .beta.
chains. The switch peptides linking the V and C domains of light
chains and T-cell receptors, specified by the C-terminal portion of the J
segment and the N-terminus of the constant region, are exposed in the
three-dimensional structure of Ig or Tcrs, show striking homol., and form
broadly shared antigenic determinants characteristic of Igs.
OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (4 CITINGS)

L10 ANSWER 2 OF 2 LIFESCI COPYRIGHT 2010 CSA on STN
AN 2000:83706 LIFESCI
TI The Phylogenetic Origin of Antigen-Specific Receptors
AU Du Pasquier, L.

CS Institute for Immunology, Grenzacherstrasse 487, 4005 Basel, Switzerland;
E-mail: dupasquier@dial.eunet.ch

SO Current Topics in Microbiology and Immunology [Curr. Top. Microbiol. Immunol.], vol. 248, pp. 159-188. Origin and Evolution of the Vertebrate Immune System..
ISSN: 0070-217X.

DT Journal

TC General Review

FS F

LA English

SL English

AB The adaptive immune system of gnathostomes, vertebrates with jaws, is characterized by somatic rearrangement of gene segments to generate genes encoding dimeric antigen-specific receptors (Ig; T-cell receptor, TCR) expressed on lymphocytes. Several reviews have recently been published on the evolution of bona fide antigen-specific receptors, but their origin remains mysterious. Because of its seemingly abrupt development within the vertebrate lineage, this system is an intriguing puzzle for evolutionary theorists. Indeed, while agnathans, vertebrates without jaws, seem to lack most of its specific components, cartilaginous fish seem to have all of them. Ig and TCR consist of protein domains belonging to the immunoglobulin superfamily (IgSF). Based on length, strand composition, and presence of a V frame, IgSF domains are classified into at least four sets: V (variable), I (intermediary), C2 (constant), and C1 (constant). In the simplest cases (Ig light chain, TCR alpha or gamma), somatic rearrangement brings a variable (V) gene segment encoding strands A to F of the V domain in close proximity to the joining segment (J), which encodes the G strand. The number of constant domains varies with the type of receptor, but its structure is always consistent with the presence of the seven strands characteristic of C1. C1 domains have only been reported in gnathostomes, the only vertebrate subphylum in which somatic rearrangement is known to take place. Where do V and C1 domains come from? Is dimerization an ancient feature? What did the ancestral precursor of these antigen-specific receptors look like? The precursor molecule was probably derived from a receptor made of two V1-C1-Tm-Cy polypeptide chains in which the V domain was not generated by somatic rearrangement.

=> d au ti so pi 1-20 19

L9 ANSWER 1 OF 39 MEDLINE on STN DUPLICATE 1

AU Birkholz Katrin; Hofmann Christian; Hoyer Stefanie; Schulz Birgit; Harter Thomas; Kampgen Eckhart; Schuler Gerold; Dorrie Jan; Schaft Niels

TI A fast and robust method to clone and functionally validate T-cell receptors.

SO Journal of immunological methods, (2009 Jul 31) Vol. 346, No. 1-2, pp. 45-54. Electronic Publication: 2009-05-07.
Journal code: 1305440. E-ISSN: 1872-7905. L-ISSN: 0022-1759.

L9 ANSWER 2 OF 39 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN

AU Anonymous; Jakobsen, Bent Karsten [Inventor]; Glick, Meir [Inventor]

TI Soluble T cell receptor.

SO Official Gazette of the United States Patent and Trademark Office Patents, (FEB 12 2008)
CODEN: OGPU7. ISSN: 0098-1133.

PI US 07329731 20080212

L9 ANSWER 3 OF 39 MEDLINE on STN DUPLICATE 2

AU Touma Maki; Chang Hsiu-Ching; Sasada Tetsuro; Handley Maris; Clayton Linda K; Reinherz Ellis L

TI The TCR C beta FG loop regulates alpha beta T cell development.
 SO Journal of immunology (Baltimore, Md. : 1950), (2006 Jun 1) Vol. 176, No. 11, pp. 6812-23.
 Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.

L9 ANSWER 4 OF 39 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
 DUPLICATE 3
 AU Thomas, Simone [Reprint Author]; Voss, Ralf H.; Intan, Ratna; Engel,
 Renate; Kuball, Juergen; Huber, Christoph; Theobald, Matthias
 TI Playing the game together: Coexpression of a single chain
 T cell receptor and a T cell receptor
 constant-alpha domain triggers tumor
 reactivity.
 SO Blood, (NOV 16 2006) Vol. 108, No. 11, Part 1, pp. 1061A.
 Meeting Info.: 48th Annual Meeting of the American-Society-of-Hematology.
 Orlando, FL, USA. December 09 -12, 2006. Amer Soc Hematol.
 CODEN: BLOOAW. ISSN: 0006-4971.

L9 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN
 IN Jakobsen, Bent; Glick, Meir
 TI Soluble T cell receptors
 SO PCT Int. Appl., 45 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004074322	A1	20040902	WO 2003-GB2986	20030709
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2516702	A1	20040902	CA 2003-2516702	20030709
AU 2003254443	A1	20040909	AU 2003-254443	20030709
AU 2003254443	B2	20090326		
EP 1594896	A1	20051116	EP 2003-815958	20030709
EP 1594896	B1	20080312		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1745099	A	20060308	CN 2003-826014	20030709
CN 100528897	C	20090819		
JP 2007527191	T	20070927	JP 2004-568435	20030709
AT 388964	T	20080315	AT 2003-815958	20030709
NZ 541596	A	20080530	NZ 2003-541596	20030709
US 20070082362	A1	20070412	US 2005-544448	20050804
ZA 2005006516	A	20060426	ZA 2005-6516	20050815
US 7666604	B2	20100223	US 2006-544448	20060405

L9 ANSWER 6 OF 39 MEDLINE on STN DUPLICATE 4
 AU Petersen Troels R; Gulland Sven; Bettelli Estelle; Kuchroo Vijay; Palmer Ed; Backstrom B Thomas
 TI A chimeric T cell receptor with super-signaling properties.
 SO Electronic immunology, (2004 Jul) Vol. 16, No. 7, pp. 889-94.
 Electronic Publication: 2004-05-17.
 Journal code: 8916182. ISSN: 0953-8178. L-ISSN: 0953-8178.

L9 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 5

AU Criscitiello, Michael F.; Kamper, Sondra M.; Churchill McKinney, E.
 TI Allelic polymorphism of TCR.alpha. chain
 constant domain genes in the bicolor damselfish
 SO Developmental & Comparative Immunology (2004), 28(7-8), 781-792
 CODEN: DCIMDQ; ISSN: 0145-305X

L9 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 6
 AU Teixeira, Emma; Daniels, Mark A.; Hausmann, Barbara; Schrum, Adam G.;
 Naeher, Dieter; Luescher, Immanuel; Thome, Margot; Bragado, Rafael;
 Palmer, Ed
 TI T cell division and death are segregated by mutation of TCR.
 beta. chain constant domains
 SO Immunity (2004), 21(4), 515-526
 CODEN: IUNIEH; ISSN: 1074-7613

L9 ANSWER 9 OF 39 LIFESCI COPYRIGHT 2010 CSA on STN
 AU Troels, R. Petersen; Sven, Guelland; Estelle, Bettelli; Vijay, Kuchroo;
 Ed, Palmer; B., Thomas Baekstroem
 TI A chimeric T cell receptor with super-signaling properties
 SO International Immunology [Int. Immunol.], (20040700) vol. 16, no. 7, 889.
 ISSN: 0953-8178.

L9 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN
 AU Criscitiello, Michael Frederick
 TI Polymorphism of T cell receptor
 alpha chain constant domains
 SO (2003) 85 pp. Avail.: UMI, Order No. DA3096362
 From: Diss. Abstr. Int., B 2003, 64(6), 2581

L9 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN
 IN Jakobsen, Bent Karsten; Glick, Meir
 TI Soluble T cell receptor and mutants dor diagnosis and treatment of
 infections and autoimmune diseases
 SO PCT Int. Appl., 164 pp.
 CODEN: PIXXD2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003020763	A2	20030313	WO 2002-GB3986	20020830
WO 2003020763	A3	20030522		
WO 2003020763	A9	20040422		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
CA 2457652	A1	20030313	CA 2002-2457652	20020830
AU 2002321581	A1	20030318	AU 2002-321581	20020830
AU 2002321581	B2	20080221		
EP 1421115	A2	20040526	EP 2002-755287	20020830
EP 1421115	B1	20050302		
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			
CN 1561343	A	20050105	CN 2002-819279	20020830
AT 290020	T	20050315	AT 2002-755287	20020830
JP 2005514006	T	20050519	JP 2003-525033	20020830
JP 4317940	B2	20090819		

PT 1421115	E	20050729	PT 2002-755287	20020830
NZ 531208	A	20050826	NZ 2002-531208	20020830
ES 2239246	T3	20050916	ES 2002-755287	20020830
ZA 2004001197	A	20050310	ZA 2004-1197	20040213
MX 2004001974	A	20040716	MX 2004-1974	20040227
IN 2004CN00647	A	20060113	IN 2004-CN647	20040326
NO 2004001325	A	20040330	NO 2004-1325	20040330
US 20050009025	A1	20050113	US 2004-486924	20040901
US 7329731	B2	20080212		
HK 1066018	A1	20051007	HK 2004-109015	20041115
US 20080125369	A1	20080529	US 2007-926480	20071029
US 20080153131	A1	20080626	US 2007-926391	20071029

- L9 ANSWER 12 OF 39 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN DUPLICATE 7
- AU Criscitiello, Michael F. [Reprint author]; Kamper, Sondra; McKinney, E. Churchill
- TI Allelic polymorphism of TCR alpha chain constant domain gene in the bicolor damselfish.
- SO FASEB Journal, (March 20, 2002) Vol. 16, No. 4, pp. A315. print. Meeting Info.: Annual Meeting of the Professional Research Scientists on Experimental Biology. New Orleans, Louisiana, USA. April 20-24, 2002. CODEN: FAJOEC. ISSN: 0892-6638.
- L9 ANSWER 13 OF 39 MEDLINE on STN DUPLICATE 8
- AU Moffatt M F; Traherne J A; Abecasis G R; Cookson W O
- TI Single nucleotide polymorphism and linkage disequilibrium within the TCR alpha/delta locus.
- SO Human molecular genetics, (2000 Apr 12) Vol. 9, No. 7, pp. 1011-9. Journal code: 9208958. ISSN: 0964-6906. L-ISSN: 0964-6906.
- L9 ANSWER 14 OF 39 MEDLINE on STN DUPLICATE 9
- AU Trop S; Steff A M; Denis F; Wiest D L; Hugo P
- TI The connecting peptide domain of pT alpha dictates weak association of the pre-T cell receptor with the TCR zeta subunit.
- SO European journal of immunology, (1999 Jul) Vol. 29, No. 7, pp. 2187-96. Journal code: 1273201. ISSN: 0014-2980. L-ISSN: 0014-2980.
- L9 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 10
- AU Saint-Ruf, Claude; Lechner, Oskar; Feinberg, Jacqueline; Von Boehmer, Harald
- TI Genomic structure of the human pre-T cell receptor α chain and expression of two mRNA isoforms
- SO European Journal of Immunology (1998), 28(11), 3824-3831 CODEN: EJIMAF; ISSN: 0014-2980
- L9 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 11
- AU Khandekar, Sanjay S.; Bettencourt, Brian M.; Wyss, Daniel F.; Naylor, Jerome W.; Brauer, Pamela P.; Huestis, Kevin; Dwyer, Donard S.; Profy, Albert T.; Osburne, Marcia S.; Banerji, Julian; Jones, Barry
- TI Conformational integrity and ligand binding properties of a single chain T-cell receptor expressed in *Escherichia coli*
- SO Journal of Biological Chemistry (1997), 272(51), 32190-32197 CODEN: JBCHA3; ISSN: 0021-9258
- L9 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2010 ACS on STN DUPLICATE 12
- AU Paliwal, Vipin; Ptak, Wlodzimierz; Sperl, Johann; Braswell, Emory; Askenase, Philip W.
- TI Recombinant soluble $\alpha\beta$ T cell receptors protect T cells from immune suppression. Requirement for aggregated multimeric, disulfide-linked $\alpha\beta$ heterodimers

SO Journal of Immunology (1997), 159(4), 1718-1727
CODEN: JOIMA3; ISSN: 0022-1767

L9 ANSWER 18 OF 39 MEDLINE on STN DUPLICATE 13
AU Backstrom B T; Milia E; Peter A; Jaureguiberry B; Baldari C T; Palmer E
TI A motif within the T cell receptor
alpha chain constant region connecting peptide
domain controls antigen responsiveness.
SO Immunity, (1996 Nov) Vol. 5, No. 5, pp. 437-47.
Journal code: 9432918. ISSN: 1074-7613. L-ISSN: 1074-7613.

L9 ANSWER 19 OF 39 LIFESCI COPYRIGHT 2010 CSA on STN
AU Garcia, K.C.; Degano, M.; Stanfield, R.L.; Brunmark, A.; Jackson, M.R.;
Peterson, P.A.; Teyton, L.; Wilson, I.A.*
TI An alpha beta T cell receptor structure at 2.5 angstrom and its
orientation in the TCR-MHC complex
SO SCIENCE (WASH.), (1996) vol. 274, no. 5285, pp. 209-219.
ISSN: 0036-8075.

L9 ANSWER 20 OF 39 MEDLINE on STN DUPLICATE 14
AU Bentley G A; Boulot G; Karjalainen K; Mariuzza R A
TI Crystal structure of the beta chain of a T cell antigen receptor.
SO Science (New York, N.Y.), (1995 Mar 31) Vol. 267, No. 5206, pp. 1984-7.
Journal code: 0404511. ISSN: 0036-8075. L-ISSN: 0036-8075.

=> s crystal?(5a)(t(w)cell(w)receptor or tcr)
L11 670 CRYSTAL?(5A)(T(W)CELL(W)RECEPTOR OR TCR)

=> s (alpha or beta)(3a)chain
L12 168766 (ALPHA OR BETA)(3A)CHAIN

=> s l11(p)l12
L13 125 L11(P) L12

=> dup rem l13
PROCESSING COMPLETED FOR L13
L14 38 DUP REM L13 (87 DUPLICATES REMOVED)

=> d his

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L8 3 S REVIEW AND L7
L9 39 DUP REM L7 (72 DUPLICATES REMOVED)
L10 2 DUP REM L8 (1 DUPLICATE REMOVED)
L11 670 S CRYSTAL?(5A)(T(W)CELL(W)RECEPTOR OR TCR)
L12 168766 S (ALPHA OR BETA)(3A)CHAIN
L13 125 S L11(P)L12
L14 38 DUP REM L13 (87 DUPLICATES REMOVED)

=> d au ti so pi 1-38 L14

L14 ANSWER 1 OF 38 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN
DUPLICATE 1

AU Voss, Ralf-Holger [Reprint Author]; Willemsen, Ralph A.; Kuball, Juergen;
Grabowski, Margarete; Engel, Renate; Intan, Ratna S.; Guillaume, Philippe;
Romero, Pedro; Huber, Christoph; Theobald, Matthias

TI Molecular design of the C alpha beta interface favors specific pairing of
introduced TCR alpha beta in human T cells.

SO Journal of Immunology, (JAN 1 2008) Vol. 180, No. 1, pp. 391-401.
CODEN: JOIMA3; ISSN: 0022-1767.

L14 ANSWER 2 OF 38 MEDLINE on STN DUPLICATE 2

AU Feng Dan; Bond Christopher J; Ely Lauren K; Maynard Jennifer; Garcia K
Christopher

TI Structural evidence for a germline-encoded T cell receptor-major
histocompatibility complex interaction 'codon'.

SO Nature immunology, (2007 Sep) Vol. 8, No. 9, pp. 975-83. Electronic
Publication: 2007-08-12.
Journal code: 100941354. ISSN: 1529-2908. L-ISSN: 1529-2908.

L14 ANSWER 3 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN

AU Voss, Ralf-Holger; Willemsen, Ralph A.; Kuball, Juergen; Grabowski,
Margarete; Engel, Renate; Intan, Ratna S.; Guillaume, Philippe; Romero,
Pedro; Huber, Christoph; Theobald, Matthias

TI Molecular Design of the Cαβ Interface Favors Specific Pairing
of Introduced TCRαβ in Human T Cells

SO Journal of Immunology (2007), Volume Date 2008, 180(1), 391-401
CODEN: JOIMA3; ISSN: 0022-1767

L14 ANSWER 4 OF 38 LIFESCI COPYRIGHT 2010 CSA on STN

AU Churchill, Hywyn Russell Owen.

TI Engineering the T cell receptor to protect host cells in
superantigen-induced septic shock.

SO (20060000) vol. 68, no. 02, 134 p..

L14 ANSWER 5 OF 38 MEDLINE on STN DUPLICATE 3

AU Li Hongmin; Van Vranken Sandra; Zhao Yiwei; Li Zhong; Guo Yi; Eisele
Leslie; Li Yixin

TI Crystal structures of T cell
receptor (beta) chains related to rheumatoid
arthritis.

SO Protein science : a publication of the Protein Society, (2005 Dec) Vol.
14, No. 12, pp. 3025-38. Electronic Publication: 2005-10-31.
Journal code: 9211750. ISSN: 0961-8368. L-ISSN: 0961-8368.
Report No.: NLM-PMC2253245.

L14 ANSWER 6 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN

AU Li, Yili; Huang, Yuping; Lue, Jessica; Quandt, Jacqueline A.; Martin,
Roland; Mariuzza, Roy A.

TI Structure of a human autoimmune TCR bound to a myelin basic protein
self-peptide and a multiple sclerosis-associated MHC class II molecule

SO EMBO Journal (2005), 24(17), 2968-2979
CODEN: EMJODG; ISSN: 0261-4189

L14 ANSWER 7 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN

AU Maynard, Jennifer; Adams, Erin J.; Krogsgaard, Michelle; Petersson, Karin;
Liu, Corey W.; Garcia, K. Christopher

TI High-level bacterial secretion of single-chain αβ T-cell
receptors

SO Journal of Immunological Methods (2005), 306(1-2), 51-67
CODEN: JIMMBG; ISSN: 0022-1759

- L14 ANSWER 8 OF 38 MEDLINE on STN DUPLICATE 4
 AU Sugiyama Shigeru; Kohyama Masako; Oda Masayuki; Azuma Takachika; Wither Joan E; Hozumi Nobumichi
 TI Molecular basis of antigen recognition by insulin specific T cell receptor.
 SO Immunology letters, (2004 Feb 15) Vol. 91, No. 2-3, pp. 133-9.
 Journal code: 7910006. ISSN: 0165-2478. L-ISSN: 0165-2478.
- L14 ANSWER 9 OF 38 MEDLINE on STN DUPLICATE 5
 AU Mantovani Stefania; Palermo Belinda; Garbelli Silvia; Campanelli Rita; Robustelli Della Cuna Gioacchino; Gennari Roberto; Benvenuto Federica; Lantelme Erica; Giachino Claudia
 TI Dominant TCR-alpha requirements for a self antigen recognition in humans.
 SO Journal of immunology (Baltimore, Md. : 1950), (2002 Dec 1) Vol. 169, No. 11, pp. 6253-60.
 Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.
- L14 ANSWER 10 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN
 AU Sundberg, Eric J.; Li, Hongmin; Llera, Andrea S.; McCormick, John K.; Tormo, Jose; Schlievert, Patrick M.; Karjalainen, Klaus; Mariuzza, Roy A.
 TI Structures of Two Streptococcal Superantigens Bound to TCR β Chains Reveal Diversity in the Architecture of T Cell Signaling Complexes
 SO Structure (Cambridge, MA, United States) (2002), 10(5), 687-699
 CODEN: STRUE6; ISSN: 0969-2126
- L14 ANSWER 11 OF 38 MEDLINE on STN DUPLICATE 6
 AU Rudolph Markus G; Wilson Ian A
 TI The specificity of TCR/pMHC interaction.
 SO Current opinion in immunology, (2002 Feb) Vol. 14, No. 1, pp. 52-65. Ref: 75
 Journal code: 8900118. ISSN: 0952-7915. L-ISSN: 0952-7915.
- L14 ANSWER 12 OF 38 MEDLINE on STN DUPLICATE 7
 AU Bourcier K D; Lim D G; Ding Y H; Smith K J; Wucherpfennig K; Hafler D A
 TI Conserved CDR3 regions in T-cell receptor (TCR) CD8(+) T cells that recognize the Tax11-19/HLA-A*0201 complex in a subject infected with human T-cell leukemia virus type 1: relationship of T-cell fine specificity and major histocompatibility complex/peptide/TCR crystal structure.
 SO Journal of virology, (2001 Oct) Vol. 75, No. 20, pp. 9836-43.
 Journal code: 0113724. ISSN: 0022-538X. L-ISSN: 0022-538X.
 Report No.: NLM-PMC114556.
- L14 ANSWER 13 OF 38 MEDLINE on STN DUPLICATE 8
 AU Zhang W; Honda S; Wang F; DiLorenzo T P; Kalergis A M; Ostrov D A; Nathenson S G
 TI Immunobiological analysis of TCR single-chain transgenic mice reveals new possibilities for interaction between CDR3alpha and an antigenic peptide bound to MHC class I.
 SO Journal of immunology (Baltimore, Md. : 1950), (2001 Oct 15) Vol. 167, No. 8, pp. 4396-404.
 Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.
- L14 ANSWER 14 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN
 AU Rudolph, Markus G.; Huang, Mingdong; Teyton, Luc; Wilson, Ian A.
 TI Crystal Structure of an Isolated Va Domain of the 2C T-cell Receptor
 SO Journal of Molecular Biology (2001), 314(1), 1-8
 CODEN: JMOBAK; ISSN: 0022-2836
- L14 ANSWER 15 OF 38 BIOSIS COPYRIGHT (c) 2010 The Thomson Corporation on STN

AU Reiser, Jean-Baptiste; Darnault, Claudine; Guimezanes, Annick; Gregoire, Claude; Mosser, Thomas; Schmitt-Verhulst, Anne-Marie; Fontecilla-Camps, Juan Carlos; Malissen, Bernard; Housset, Dominique [Reprint author]; Mazza, Gilbert

TI Crystal structure of a T cell receptor bound to an allogeneic MHC molecule.

SO Nature Immunology, (October, 2000) Vol. 1, No. 4, pp. 291-297. print. ISSN: 1529-2908.

L14 ANSWER 16 OF 38 MEDLINE on STN DUPLICATE 9

AU Wither J E; Vukusic B

TI The orientation and nature of the interaction between beef insulin-specific TCRs and the insulin/class II MHC complex.

SO Journal of immunology (Baltimore, Md. : 1950), (1999 Feb 15) Vol. 162, No. 4, pp. 2113-22.

Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.

L14 ANSWER 17 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN

AU Plaksin, Daniel; Chacko, Susan; Navaza, Jorge; Margulies, David H.; Padlan, Eduardo A.

TI The X-ray Crystal Structure of a Va2.6Ja38 Mouse T Cell Receptor Domain at 2.5 Å Resolution: Alternate Modes of Dimerization and Crystal Packing

SO Journal of Molecular Biology (1999), 289(5), 1153-1161

CODEN: JMOBAK; ISSN: 0022-2836

L14 ANSWER 18 OF 38 MEDLINE on STN DUPLICATE 10

AU Wang F; Ono T; Kalergis A M; Zhang W; DiLorenzo T P; Lim K; Nathenson S G

TI On defining the rules for interactions between the T cell receptor and its ligand: a critical role for a specific amino acid residue of the T cell receptor beta chain.

SO Proceedings of the National Academy of Sciences of the United States of America, (1998 Apr 28) Vol. 95, No. 9, pp. 5217-22.

Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.

Report No.: NLM-PMC20241.

L14 ANSWER 19 OF 38 MEDLINE on STN DUPLICATE 11

AU Garcia K C; Degano M; Pease L R; Huang M; Peterson P A; Teyton L; Wilson I A

TI Structural basis of plasticity in T cell receptor recognition of a self peptide-MHC antigen.

SO Science (New York, N.Y.), (1998 Feb 20) Vol. 279, No. 5354, pp. 1166-72.

Journal code: 0404511. ISSN: 0036-8075. L-ISSN: 0036-8075.

L14 ANSWER 20 OF 38 LIFESCI COPYRIGHT 2010 CSA on STN

AU Speir, J.A.; Garcia, K.C.; Brunmark, A.; Degano, M.; Peterson, P.A.; Teyton, L.; Wilson, I.A.

TI Structural Basis of 2C TCR Allrecognition of H-2L super(d) Peptide Complexes

SO Immunity, (19980500) vol. 8, no. 5, pp. 553-562.

ISSN: 1074-7613.

L14 ANSWER 21 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN

AU Li, Hongmin; Lebedeva, Marina I.; Llera, Andrea S.; Fields, Barry A.; Brenner, Michael B.; Mariuzza, Roy A.

TI Structure of the Vδ domain of a human γδ T-cell antigen receptor

SO Nature (London) (1998), 391(6666), 502-506

CODEN: NATUAS; ISSN: 0028-0836

L14 ANSWER 22 OF 38 MEDLINE on STN DUPLICATE 12

AU Keiber-Emmons T; Fang Q; Cai W; Friedman S M; Crow M K; Lotke P; Williams W V
 TI Structural motifs in rheumatoid T-cell receptors.
 SO DNA and cell biology, (1998 Feb) Vol. 17, No. 2, pp. 133-49.
 Journal code: 9004522. ISSN: 1044-5498. L-ISSN: 1044-5498.

L14 ANSWER 23 OF 38 MEDLINE on STN DUPLICATE 13
 AU Burns R P Jr; Natarajan K; LoCascio N J; O'Brien D P; Kobori J A; Shastri N; Barth R K
 TI Molecular analysis of skewed Tcra-V gene use in T-cell receptor beta-chain transgenic mice.
 SO Immunogenetics, (1998) Vol. 47, No. 2, pp. 107-14.
 Journal code: 0420404. ISSN: 0093-7711. L-ISSN: 0093-7711.

L14 ANSWER 24 OF 38 MEDLINE on STN DUPLICATE 14
 AU Arden B
 TI Conserved motifs in T-cell receptor CDR1 and CDR2: implications for ligand and CD8 co-receptor binding.
 SO Current opinion in immunology, (1998 Feb) Vol. 10, No. 1, pp. 74-81. Ref: 47
 Journal code: 8900118. ISSN: 0952-7915. L-ISSN: 0952-7915.

L14 ANSWER 25 OF 38 MEDLINE on STN DUPLICATE 15
 AU Garcia K C; Tallquist M D; Pease L R; Brunmark A; Scott C A; Degano M; Stura E A; Peterson P A; Wilson I A; Teyton L
 TI Alphabeta T cell receptor interactions with syngeneic and allogeneic ligands: affinity measurements and crystallization.
 SO Proceedings of the National Academy of Sciences of the United States of America, (1997 Dec 9) Vol. 94, No. 25, pp. 13838-43.
 Journal code: 7505876. ISSN: 0027-8424. L-ISSN: 0027-8424.
 Report No.: NLM-PMC28394.

L14 ANSWER 26 OF 38 MEDLINE on STN DUPLICATE 16
 AU Turner S J; Jameson S C; Carbone F R
 TI Functional mapping of the orientation for TCR recognition of an H2-Kb-restricted ovalbumin peptide suggests that the beta-chain subunit can dominate the determination of peptide side chain specificity.
 SO Journal of immunology (Baltimore, Md. : 1950), (1997 Sep 1) Vol. 159, No. 5, pp. 2312-7.
 Journal code: 2985117R. ISSN: 0022-1767. L-ISSN: 0022-1767.

L14 ANSWER 27 OF 38 MEDLINE on STN DUPLICATE 17
 AU Wilson I A; Garcia K C
 TI T-cell receptor structure and TCR complexes.
 SO Current opinion in structural biology, (1997 Dec) Vol. 7, No. 6, pp. 839-48. Ref: 97
 Journal code: 9107784. ISSN: 0959-440X. L-ISSN: 0959-440X.

L14 ANSWER 28 OF 38 MEDLINE on STN DUPLICATE 18
 AU Ward E S; Qadri A
 TI Biophysical and structural studies of TCRs and ligands: implications for T cell signaling.
 SO Current opinion in immunology, (1997 Feb) Vol. 9, No. 1, pp. 97-106. Ref: 59
 Journal code: 8900118. ISSN: 0952-7915. L-ISSN: 0952-7915.

L14 ANSWER 29 OF 38 MEDLINE on STN DUPLICATE 19
 AU Hong S C; Waterbury G; Janeway C A Jr
 TI Different superantigens interact with distinct sites in the Vbeta domain of a single T cell receptor.
 SO The Journal of experimental medicine, (1996 Apr 1) Vol. 183, No. 4, pp.

1437-46.

Journal code: 2985109R. ISSN: 0022-1007. L-ISSN: 0022-1007.

Report No.: NLM-PMC2192526.

- L14 ANSWER 30 OF 38 MEDLINE on STN DUPLICATE 20
AU Deringer J R; Ely R J; Stauffacher C V; Bohach G A
TI Subtype-specific interactions of type C staphylococcal enterotoxins with the T-cell receptor.
SO Molecular microbiology, (1996 Nov) Vol. 22, No. 3, pp. 523-34.
Journal code: 8712028. ISSN: 0950-382X. L-ISSN: 0950-382X.
- L14 ANSWER 31 OF 38 MEDLINE on STN DUPLICATE 21
AU Garcia K C; Degano M; Stanfield R L; Brunmark A; Jackson M R; Peterson P A; Teyton L; Wilson I A
TI An alphabeta T cell receptor structure at 2.5 A and its orientation in the TCR-MHC complex.
SO Science (New York, N.Y.), (1996 Oct 11) Vol. 274, No. 5285, pp. 209-19.
Journal code: 0404511. ISSN: 0036-8075. L-ISSN: 0036-8075.
- L14 ANSWER 32 OF 38 MEDLINE on STN DUPLICATE 22
AU Fields B A; Malchiodi E L; Li H; Ysern X; Stauffacher C V; Schlievert P M; Karjalainen K; Mariuzza R A
TI Crystal structure of a T-cell receptor beta-chain complexed with a superantigen.
SO Nature, (1996 Nov 14) Vol. 384, No. 6605, pp. 188-92.
Journal code: 0410462. ISSN: 0028-0836. L-ISSN: 0028-0836.
- L14 ANSWER 33 OF 38 MEDLINE on STN DUPLICATE 23
AU Fu X T; Saibara T; Karr R W; Celis E
TI Substitutions in the HLA-DR alpha chain differentially affect DR7-restricted T-cell recognition of rabies virus antigen.
SO Human immunology, (1996 Feb) Vol. 45, No. 2, pp. 111-6.
Journal code: 8010936. ISSN: 0198-8859. L-ISSN: 0198-8859.
- L14 ANSWER 34 OF 38 MEDLINE on STN DUPLICATE 24
AU Fremont D H; Rees W A; Kozono H
TI Biophysical studies of T-cell receptors and their ligands.
SO Current opinion in immunology, (1996 Feb) Vol. 8, No. 1, pp. 93-100. Ref: 80
Journal code: 8900118. ISSN: 0952-7915. L-ISSN: 0952-7915.
- L14 ANSWER 35 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN
AU Bentley, Graham A.; Boulot, Ginette; Karjalainen, Klaus; Mariuzza, Roy A.
TI Crystal structure of the β chain of a T cell antigen receptor
SO Science (Washington, D. C.) (1995), 267(5206), 1984-7
CODEN: SCIEAS; ISSN: 0036-8075
- L14 ANSWER 36 OF 38 LIFESCI COPYRIGHT 2010 CSA on STN
AU Bentley, G.A.; Boulot, G.; Mariuzza, R.A.
TI The structure of the antigen-binding site of immunoglobulins and T-cell receptors
SO RES. IMMUNOL., (1995) vol. 146, no. 4-5, pp. 277-290.
ISSN: 0923-2494.
- L14 ANSWER 37 OF 38 CAPLUS COPYRIGHT 2010 ACS on STN
AU Boulot, Ginette; Bentley, Graham A.; Karjalainen, Klaus; Mariuzza, Roy A.
TI Crystallization and preliminary x-ray diffraction analysis of the β -chain of a T-cell antigen receptor
SO Journal of Molecular Biology (1994), 235(2), 795-7
CODEN: JMOBAK; ISSN: 0022-2836

L14 ANSWER 38 OF 38 MEDLINE on STN DUPLICATE 25
AU Fields B A; Ysern X; Poljak R J; Shao X; Ward E S; Mariuzza R A
TI Crystallization and preliminary X-ray diffraction study of a bacterially
produced T-cell antigen receptor V alpha domain.
SO Journal of molecular biology, (1994 Jun 3) Vol. 239, No. 2, pp. 339-41.
Journal code: 2985088R. ISSN: 0022-2836. L-ISSN: 0022-2836.